Product data sheet
Characteristics

BCH1303N12F1C
servo motor BCH, no oil seal, w key, 20-bit encoder, w brake-straight con



⚠ End of Commercialisation

Commercial status
End of Commercialisation : DEC 31, 2018

Main

Range of product	Lexium 23 Plus
Range compatibility	Lexium 23 Plus
Product or component type	Servo motor
Device short name	BCH

Complementary

Maximum mechanical speed	3000 Rpm
[Us] rated supply voltage	220 V
Network number of phases	Single phase
Continuous stall current	8.3 A
Continuous power	1.5 KW
Shaft end	Keyed
Second shaft	Without second shaft end
Shaft diameter	22 Mm
Shaft length	47 Mm
Key width	8 Mm
Feedback type	20 bits incremental encoder
Holding brake	With
Holding torque	10 N.M
Mounting support	Asian standard flange
Motor flange size	130 Mm
Torque constant	0.87 N.M/A
Back emf constant	31.8 V/Krpm at 20 °C
Rotor inertia	11.9 Kg.Cm²
Stator resistance	0.52 Ohm at 20 °C
Stator inductance	8.02 MH at 20 °C
Stator electrical time constant	15.31 Ms at 20 °C
Maximum radial force Fr	490 N
Maximum axial force Fa	98 N
Brake pull-in power	19 W
Type of cooling	Natural convection
Length	202 Mm
Number of motor stacks	3
Centring collar diameter	110 Mm
Centring collar depth	6 Mm

Number of mounting holes	4
Mounting holes diameter	9 Mm
Circle diameter of the mounting holes	145 Mm
Distance shaft shoulder-flange	47 Mm
Net weight	8.9 Kg

Environment

IP degree of protection	IP40
Ambient air temperature for operation	0…40 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	24.0 Cm
Package 1 Width	30.0 Cm
Package 1 Length	36.0 Cm
Package 1 Weight	9.198 Kg
Unit Type of Package 2	S06
Number of Units in Package 2	4
Package 2 Height	73.5 Cm
Package 2 Width	60.0 Cm
Package 2 Length	80.0 Cm
Package 2 Weight	49.792 Kg

Offer Sustainability

Sustainable packaging	No
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation